



Koichiro Mizoguchi and Junichi Murakami of Japan demonstrate one application of their research by spraying a plate of sushi with aerosolized wasabi at this year's Ig Nobel Prize Ceremony in Harvard's Sanders Theatre last night. Mizoguchi and Murakami were awarded the Ig Nobel in chemistry for "determining the ideal density of airborne wasabi (pungent horseradish) to awaken sleeping people in case of a fire or other emergency, and for applying this knowledge to invent the wasabi alarm."

BYEUN M. BUCZYK—THE TECH

Whitehead professor Rudolf Jaenisch wins National Medal of Science

Professor Rudolf Jaenisch, a founding member of the Whitehead Institute, has been named as one of seven recipients of the 2011 National Medal of Science award. The National Medal of Science is the highest honor in the fields of science and engineering in the United States. Barack Obama named Professor Jaenisch this past Tuesday for his work on the epigenetic regulation of gene expression.

Epigenetic regulation refers to the biological processes that affect how genetic information is translated into cell structures without changing the genes themselves. This work has furthered understanding of embryonic and induced pluripotent stem (IPS) cells. IPS cells appear identical to embryonic stem cells, but they are created from adult cells so that eggs are not necessary.

The White House notified Jaenisch of his selection last week via email; he said he was "shocked and honored" when he heard, according to the MIT News Office.

However, Jaenisch refused to

take all the praise for the medal, crediting his entire lab with the award.

"I'm very grateful," he said to the News Office, "But I'm really only partly deserving of this. Any success I've had scientifically is due in large part to all the imaginative, hardworking people in my lab. I can't help but feel this type of credit should be distributed more broadly. I feel it's a team honor."

Jaenisch, who teaches 7.31 (Current topics in Mammalian Biology) and 7.82 (Topics of Mammalian Development and Genetics) has several notable achievements, including the creation of the first transgenic mouse and the first experiment which showed that therapeutic cloning could be used to correct genetic defects in mice.

A ceremony will be held at the White House this November for the professor and the other winners to receive their awards. More information about Professor Jaenisch can be found on his faculty website at <http://wi.mit.edu/research/faculty/jaenisch.html>.

—Jessica J. Pourian

IN SHORT

Free flu shots are available today from 10 a.m. to 4 p.m. on the third floor of the Student Center. Bring your MIT ID or insurance card.

The State of the Institute forum is on Monday, Oct. 3 at 11 a.m. in Kresge Auditorium. You can submit a question in advance at <http://web.mit.edu/institute-events/events/questions2011.html>.

Send news information and tips to news@tech.mit.edu.

THOUGHTS ON HOUSE DINING?

Student Life wants to know!

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PROGRESS IN SAUDI ARABIA?

Believe it or not, there is a precedent for it. **OPINION, p. 4**

ABANDON PAKISTAN

Pakistan has made its choice, and it chose the terrorists. **OPINION, p. 5**



Professor Laurence R. Young ScD '62, from MIT's Department of Aeronautics and Astronautics, learns about some of the features in the Lockheed Martin Joint Strike Fighter simulator — brought to MIT with help from the Flying Club — in the Z-Center this past Tuesday. This F-35 simulation contains five screens displaying different outputs that the pilot would see in the actual plane.

ELIZABETH D'ARIENZO—THE TECH

WASABI ALARMS, SIGH-COLOGY

Check out more photos of the laughable science at the Ig Nobel Ceremony.

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'Sigh-cology' and wasabi at Ig Nobels *'When you gotta go, you gotta go'*

By Janelle Mansfield

STAFF REPORTER

It's not everyday you get to see a Nobel laureate and a Harvard professor sing "The Elements" while one of them plays the accordion. Yet that's exactly what happened last night when Richard J. Roberts, winner of the 1993 Nobel Prize in Medicine, and Harvard medical professor Thomas Michel performed during the opening ceremonies of the Ig Nobel Prize Ceremony. Held annually in the Sanders Theatre at Harvard University, the Ig Nobels celebrate unconventional achievements in all fields of science and include performances from professors, Nobel Laureates, and professional opera singers. Chemistry was the theme of this year's ceremony, and in that spirit each winner received a model table inscribed with the elemental symbols on the surface — a literal

table of the elements.

The Ig Nobels honor strange scientific achievements, like a study conducted by Japanese scientists investigating the ideal concentration of airborne wasabi to be used as an alarm to awaken sleeping people in case of an emergency. The team won the chemistry Ig Nobel prize for discovering that the most effective wasabi concentration was between 5 and 50 ppm. They plan to expand their technology to be used as a shoe-odor eliminator and sushi topping in the future.

Two teams from Europe and the United States/Australia were both presented with the medicine prize for their investigations into the need to urinate. The European study found that people with a strong urge to urinate were better

Ig Nobels, Page 10

For MIT150, Idea Bank reopens *Invitation to reflect on MIT150 and offer new suggestions*

By Adisa Kruyatidee

STAFF REPORTER

The Idea Bank, an online forum for community members to give MIT comments and suggestions, is open again — this time to discuss the MIT150 festivities and collect ideas for future MIT150-inspired events. The Idea Bank is intended to foster ideas in a setting where students, faculty, staff, and alumni all have input.

Kirk D. Kolenbrander, vice president and secretary of the MIT Corporation, believes MIT150 was too important of an event not to cover in

detail.

"MIT150 was a set of experiences so many members of the community participated in. The bank is a good way to get ideas from a large cross section of them," he said.

As of last night, 20 discussion topics had been posted by users. Each user's post starts a thread in which subsequent visitors can comment.

MIT's open house and the Festival of Art, Science, and Technology (FAST) are two of the events that users on the Idea Bank have indicated they would like to perpetuate, Kolenbrander said.

Jay Scheib, associate professor in Music and Theater Arts, wrote in the forum that he appreciated the "meaningful conversations [FAST] fostered across disciplines."

"I don't think any of us could have predicted how successful and how important the FAST Festival would be at MIT," he said.

FAST — a four-month feature of events and installations around campus — included artistic exhibits created by students and faculty, along with several concerts and forums

Idea Bank, Page 7

Pakistani politicians reject Mullen's attack charges

By Salman Masood
THE NEW YORK TIMES

ISLAMABAD — Even as it revealed growing skepticism toward Pakistan's powerful military, an extraordinary national security conference ended here late Thursday with a statement rejecting as "baseless" allegations from America's top military official that Pakistan was facilitating militant attacks in Afghanistan.

Military leaders and more than 50 politicians representing 32 political parties gathered at the residence of Prime Minister Yusuf Raza Gilani to discuss the charges made by Adm. Mike Mullen, chairman of the Joint Chiefs of Staff. Last week, Mullen told a Senate panel that the Haqqani network, a potent part of the insurgency battling U.S. forces in Afghanistan, was a "veritable arm" of Pakistan's spy agency. He also accused the agency of supporting an attack this month by Haqqani militants on the U.S. Embassy in Kabul, the Afghan capital.

The statements reopened a rift between the nominal allies and set

off a furor in both countries, with the White House on Wednesday seeking to temper the remarks. In an interview with National Public Radio on Thursday, however, Mullen stood by his testimony, revealing a divide within the Obama administration that has, unusually, placed Mullen publicly in the hard-line position toward Pakistan. He has been the U.S. official leading the effort to improve cooperation.

He would not change a word of his testimony, Mullen insisted, saying, "I phrased it the way I wanted it to be phrased."

Since his remarks last week, an atmosphere of crisis has gripped Pakistan, and the meeting Thursday was called to address fevered speculation among politicians and in the media that the United States was preparing to attack Haqqani havens, which U.S. officials have said are in North Waziristan, a part of Pakistan's tribal areas bordering Afghanistan.

On Thursday, Pakistani politicians issued a 13-point resolution saying that Mullen's "assertions are without substance and deroga-

tory to partnership approach." They extended full support to the country's armed forces "in defeating any threat to national security."

The meeting of top officials here was addressed by Gilani and Foreign Minister Hina Rabbani Khar. The Pakistani army chief, Gen. Ashfaq Parvez Kayani, and chairman of the Joint Chiefs of Staff Committee, Gen. Khalid Shameem Wynne, also attended the meeting, which lasted more than seven hours.

Most notable was a briefing by Lt. Gen. Ahmad Shuja Pasha, director general of the spy agency, the Inter-Services Intelligence Directorate, or ISI.

According to various accounts provided afterward by participants and local news networks, which cited unnamed sources, Pasha said that though Pakistan "did not want to take relations with the United States to the point of no return, it also was capable of defending itself in case of an attack."

"Any U.S. attack against Pakistan in the name of extremists would be unacceptable," he said.

Madoff trustee says ruling not as bad as first thought

By Diana B. Henriques
THE NEW YORK TIMES

The trustee for Bernard L. Madoff's fraud victims said Thursday that he had overestimated how much his recovery efforts would be affected by a court ruling this week in his case against the owners of the New York Mets.

The practical effect of the ruling, released Tuesday by Judge Jed S. Rakoff of U.S. District Court in Manhattan, will be to reduce the amount of money the trustee, Irving H. Picard, can seek in court by \$6.2 billion — not by \$11 billion, as the trustee's lawyers reported Wednesday.

In his ruling in the Mets case, Rakoff allowed the trustee to seek only the return of fictional profits paid out to the Mets owners, Fred Wilpon and Saul Katz, during the two years before the Madoff fraud collapsed in December 2008.

The trustee had sought to recover fictional profits paid out in the

six years before the collapse, citing provisions of New York state law that allow for a six-year recovery window. The judge also threw out the trustee's bid to recover preference claims, the cash paid out to the team's owners in the final 90 days of the fraud.

By reducing the time window and eliminating preference claims — actions that lawyers said would most likely apply to all the lawsuits the trustee has pending in U.S. Bankruptcy Court in Manhattan — the decision still "has significant potential ramifications that could affect recoveries as well as distributions" in the legal efforts to unwind Madoff's epic Ponzi scheme, Picard said in a written statement released Thursday.

If the ruling had come at the onset of the fraud case, the effect would have roughly matched the estimate given Wednesday by Picard's lawyer, David J. Sheehan. But some cases have been settled out of court and most likely will

not be affected by the ruling; once those were sifted out, the effect was reduced to \$6.2 billion, made up of at least \$2.7 billion in fictional profits and \$3.5 billion in preference claims.

It says much about the scale of the case that an adverse effect of \$6.2 billion, rather than \$11 billion, can be viewed with relief among lawyers trying to recover cash to repay Madoff's victims, who claimed paper losses of almost \$65 billion and cash losses of about \$18 billion.

Picard has filed lawsuits seeking a total of about \$100 billion from a number of giant global banks and large investors. He has previously said that any money he recovers in excess of the \$18 billion in cash principal lost by many Madoff investors could be used to cover general fraud claims that can be asserted by all investors bilked by Madoff, even if they recovered all their principal before the fraud collapsed.

Some common ground found for legal adversaries on health care law

By Adam Liptak
THE NEW YORK TIMES

WASHINGTON — The 2010 health care overhaul law has provoked an unprecedented clash between the federal government and 26 states, dividing them on fundamental questions about the very structure of the federal system. But the two sides share a surprising amount of common ground, too, starting with their agreement in briefs, filed Wednesday, that the Supreme Court should resolve the clash in its current term.

Until just days ago, it was hardly clear that the Obama administration would agree with the states on the need for prompt review, as there were good political reasons for moving slowly. The court's decision is now most likely to come just months before the 2012 presidential election.

Their briefs also reflect agreement on matters of substance. The

two sides, along with the judges in the majority in the appeals court decision most likely to be reviewed by the justices, all said the dispute is about means rather than ends. There are other ways, they said, for Congress to achieve near-universal health coverage, some of them more expansive than what was enacted.

"Both sides agree that Congress has the constitutional power to enact a national health care system that raises taxes to support a single government agency that pays all medical bills, just like Medicare," said Walter Dellinger, who served as acting solicitor general in the administration of President Bill Clinton and supports the law.

Randy E. Barnett, a lawyer for some of the plaintiffs who on Wednesday sought Supreme Court review, made essentially the same point.

"What I've said from Day One," he said, "is that if Medicare is con-

stitutional then Medicare-for-everyone is constitutional."

Dellinger said there was irony in this harmony. "The constitutional attack is focused on a mandate that was necessary if the new system was to utilize the existing private market, which had traditionally been a conservative and Republican proposal for how to deal with health care," he said.

To be sure, the two sides dispute whether Congress has the power under the Constitution's commerce clause to require people to buy insurance through what the federal government calls a minimum coverage provision and the plaintiffs call an individual mandate.

But they agree that Congress could have achieved much the same thing through a slightly different mechanism, as Judge Stanley Marcus wrote in his dissent from the 2-to-1 decision issued in August by a panel of the 11th U.S. Circuit Court of Appeals in Atlanta.

Moods on Twitter follow biological rhythms, study finds

However grumpy when they wake up, and whether they stumble to their feet in Mumbai, Mexico City or Minnetonka, Minn., people tend to brighten by breakfast time and feel their mood taper gradually to a low in the late afternoon, before rallying again near bedtime, a large-scale study of posts on the social media site Twitter found.

Drawing on messages posted by more than 2 million people in 84 countries, researchers discovered that the emotional tone of people's messages follows a similar pattern not only through the day but also through the week and the changing seasons.

The new analysis suggests our moods are driven in part by a shared underlying biological rhythm that transcends culture and environment.

Outside researchers cautioned that drawing on Twitter has its hazards, like any other attempt to monitor the fleeting internal states labeled as moods. For starters, Twitter users are computer-savvy, skew young and affluent, and post for a variety of reasons.

—Benedict Carey, *The New York Times*

Washington, seeking revenue, is in a mood to sell

WASHINGTON — Like Americans trying to raise quick cash by unloading their unwanted goods, the federal government is considering a novel way to reduce the deficit: holding the equivalent of a garage sale.

Deep within President Barack Obama's proposals to raise revenue and reduce the deficit lies a method that has garnered bipartisan support, something rare in Washington these days. It involves selling an island, courthouses, maybe an airstrip, generally idle or underused vehicles, roads, buildings, land — even the airwaves used to broadcast television.

Many conservatives — including Rep. Paul Ryan of Wisconsin, chairman of the House Budget Committee, and the budget experts at the Cato Institute — support the broad idea of shrinking the government by selling parts of it. Democrats like the idea of virtually painless revenue-raising. Whether Congress can pass any bill in the current atmosphere, however, is far from certain.

—Edward Wyatt, *The New York Times*

A European crisis that could be measured in years

It has happened time and again in recent months as Europe's debt crisis has played out. Stocks stage a remarkably strong comeback on expectations that a solution has been found. Then they quickly resume their decline as hopes dissipate, leaving investors puzzled and frazzled.

The problem, say close watchers of both the subprime financial crisis in 2008 and the European government debt crisis today, is that many investors think there is a quick and easy fix, if only government officials can come to an agreement and act decisively.

In reality, one might not exist. A best case in Europe is a bailout of troubled governments and their banks that keeps the financial system from experiencing a major shock and sending economies worldwide into recession.

But a bailout doesn't mean wiping out the huge debts that have taken years to accumulate. Too much debt could take many years to ease.

—Graham Bowley and Liz Alderman, *The New York Times*

US asks Supreme Court to rule on health care

WASHINGTON — The Obama administration asked the Supreme Court on Wednesday to hear a case concerning the 2010 health care overhaul law. The development, which came unexpectedly fast, makes it all but certain that the court will soon agree to hear one or more cases involving challenges to the law, with arguments by the spring and a decision by June, in time to land in the middle of the 2012 presidential campaign.

The Justice Department said the justices should hear its appeal of a decision by a three-judge panel of the U.S. Court of Appeals for the 11th Circuit, in Atlanta, that struck down the centerpiece of the law by a 2-1 vote.

"The department has consistently and successfully defended this law in several courts of appeals, and only the 11th Circuit Court of Appeals has ruled it unconstitutional," the Justice Department said in a statement. "We believe the question is appropriate for review by the Supreme Court."

The administration did not explain why it did not take routine litigation steps that might have slowed the progress of the challenges enough to avoid a decision in the current Supreme Court term. It did say in its brief that the 11th Circuit's decision striking down the central piece of a comprehensive regulatory scheme created "a matter of grave national importance."

—Adam Liptak, *The New York Times*

US envoy to Syria trapped for a time by pro-Assad crowd

BEIRUT — Dozens of pro-government Syrians attempted to assault a U.S. diplomatic delegation that included the ambassador on Thursday, striking its motorcade as it traveled to a meeting with an opposition figure in Damascus and then trying to break into an office where the meeting was held, essentially trapping the participants inside for 90 minutes.

The United States protested the episode and suggested that the attackers had been deliberately allowed to harass the diplomatic delegation by Syrian security forces, who arrived belatedly to provide safe passage for the Americans to leave. The ambassador, Robert S. Ford, an outspoken critic of Syria's President, Bashar Assad, was reported safe but some vehicles in his motorcade were damaged.

—Nada Bakri, *The New York Times*

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LETTERS TO THE EDITOR

Healthy, convenient selections offered at Shaw's

I am the manager at the Star Market located on 22 Sidney Street in Cambridge, and I read every issue of *The Tech*. After reading the article "Wandering the Aisles" from the most recent issue (Sept. 27), I realized that we at Shaw's take for granted that all students are aware of the services and information that we provide to our customers. Students are a very important part of our business at my location and

we are always looking to make their lives easier. We have a smarter eating program, Nutrition IQ, that is attached to the price dangler or sign that identifies the healthy benefits of that item. Feel free to check it out on our website, www.shaws.com/nutritioniq, or download the nutrition iQ app. On our website, we also offer quick and easy recipes that range from all food groups. We recently expanded our Wild Harvest department, where you can find organic and gluten-free items. This area is located across from the meat department and has green shelves to differentiate these items in the store. We provide a free bus shuttle to the store on Saturdays from 12:30

to 4:30 p.m. that makes stops throughout the campus. This year we just started to offer a five percent discount for all MIT students when they show their student ID. My evening manager, Jason Hasset, is very knowledgeable and he works most evenings, 4 p.m. to 12 p.m. Please feel free to use him as a resource for any of your shopping assistance. If there is anything you would like us to improve on to make your shopping experience better please feel free to contact me directly at the store or ask to speak to me in person on your next visit.

Steve Perruzzi
Star Market, Store Director

GUEST COLUMN

A great dining program is a community effort

By Henry J. Humphreys

I am pleased to announce that MIT's new House Dining Program is off to a great start, and I am looking forward to seeing the program develop over the coming year. The best news may be that the students are telling us that they are very happy with the food, but there are many other things to be pleased with, including the renovated dining halls and the ability to offer breakfast and lunch.

Keeping this dining program great is a community effort. The Division of Student Life's Office of Campus Dining and Bon Appétit are ultimately responsible, but we need you to let us know what you enjoy and where you would suggest changes or improvements. The observations, questions, requests, and (respectful and constructive) criticisms of those who eat in the dining halls are really important to this program. So I want to thank the many students who have already taken the time to let us know their thoughts.

I want to offer some information on feedback that we have received: three aspects of the new program that students have applauded, and three where you have asked for improvement or change.

Three things you say are going well

1. Appealing food. Students are happy

with the quality and variety in the dining halls.

2. Eating together. Housemasters and students alike have reported that it's really nice to see the dining halls full of students talking and socializing over a meal. It's wonderful to see the GRTs, housemasters, faculty, and staff at the tables, as well.

3. All-you-care-to-eat service is being well received. I have personally spent a lot of time in the dining halls and am seeing students at the different stations try a variety of cuisines.

Housemasters and students have said that it's nice to see dining halls full of students talking and socializing over a meal.

Three aspects where you asked for change or improvement

1. The online menus have not been posted consistently. We realize that this has been frustrating to many, and Bon Appétit is working to correct this problem. Keep in mind, online menus may occasionally vary from what is offered in the dining hall if and when the chef finds

something fresh and local to add or substitute that day.

2. Some of the specialty stations were delayed during the first weeks. I am happy to report that all but two stations are now up and running. The crepe station in McCormick and the rotisserie station in Simmons still need specialty equipment, but we are working with Bon Appétit to resolve this as soon as possible.

3. Hours of operation for breakfast and brunch. The new House Dining Committee, which has a significant number of student representatives on it, will be addressing system-wide issues such as service hours. Stay tuned for more news as this committee begins its work.

I want to thank Bon Appétit for their hard work during orientation, the hurricane, and the official rollout of this program. As important, thanks again to the students who have taken the time to let us know what they think. Keep sharing your positive comments, as well as your suggestions for improvement, by contacting us at foodstuff@mit.edu. Both are helpful.

We appreciate your thoughtfulness, your ideas — and your patience. Please know that we are listening so that, together, we can make this one of the finest campus dining programs.

Henry J. Humphreys is the senior associate dean for student life.

Old and new freedoms for Saudi Arabia

Suffrage represents an important step toward gender equality

By Andy Liang

ASSOCIATE OPINION EDITOR

On Sunday, King Abdullah of Saudi Arabia announced the enfranchisement of women to vote, run for local office, and serve on the Shura Council — the king's advisory board. Such sweeping reforms for women are groundbreaking for the ultraconservative country.

The king's decision challenges the many religious leaders who often govern the social laws within Saudi Arabia. These religious leaders are mostly Wahhabi clerics, puritanical Sunni Islamists who were

the original crafters of Saudi Arabia's judicial and educational policies. They're shaking their heads at King Abdullah's recent reforms, since these clerics are advocates for women's exclusion from the public sphere. They argue for institutional segregation of women from education and the permanency of women's roles as housewives and mothers, and their influence has played a tremendous role in coloring the social setting that dominates Saudi Arabia today.

In fact, today, women make up only two percent of the workforce of Saudi Arabia. This rate has dropped over the years

from seven percent in 1990 to four percent in 2003, due to Wahhabi influences. The clerics believe that only men belong in the public sphere, whereas women are to tend their homes. The religious leaders have set up laws to enfranchise women to their households: women are not allowed to drive, and they are not allowed outside in public without a male acquaintance as an escort.

But over the years, this antiquated conservatism has met firm opposition from progressive monarchs. Their resistance slowly paved the way for the freedoms

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CORRECTIONS

Tuesday's article profiling Professor Anantha P. Chandrakasan misspelled the last name of Chandrakasan's co-author in "Low-Power CMOS Digital Design." He is Samuel Sheng, not Cheng.

The same article imprecisely described par-

lelism as running "computations on two processors at the same time." Parallel computing is more general — it is the idea of running computations on multiple processors simultaneously, not just two.

OPINION POLICY

Editorials are the official opinion of *The Tech*. They are written by the Editorial Board, which consists of Chairman Joseph Maurer, Editor in Chief Ethan A. Solomon, Managing Editor Connor Kirschbaum, Executive Editor Aislyn Schalck, and Opinion Editors Nina Sinatra and Ryan Normandin.

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TO REACH US

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to general@tech.mit.edu, and it will be directed to the appropriate person. You can reach the editor in chief by e-mailing eic@tech.mit.edu. Please send press releases, requests for coverage, and information about errors that call for correction to news@tech.mit.edu. Letters to the editor should be sent to letters@tech.mit.edu. The Tech can be found on the World Wide Web at <http://tech.mit.edu>.

Police Log

The following incidents were reported by the Campus Police between August 31, 2011 and September 18, 2011. The dates below reflect the dates the incidents occurred. This information is compiled from the Campus Police's crime log. The report does not include alarms, general service calls, or incidents not reported to the dispatcher.

May 01 Bldg. 35 (127 Massachusetts Ave.) 12:00 a.m., Five skateboards stolen. Report taken.
 Jun 15 Bldg. W89 (Campus Police, 291 Vassar St.) 12:00 a.m., Larceny of bike.
 Aug 21 Bldg. 56 (21 Ames St.) 9:00 p.m., Past larceny of camera equipment.
 Aug 26 Bldg. N10 (155 Massachusetts Ave.) 3:00 p.m., Construction material stolen, report taken.
 Aug 27 Bldg. W89 (Campus Police, 291 Vassar St.) 1:00 a.m., Backpack with laptop inside stolen. Report taken.
 Aug 31 Bldg. E2 (70 Amherst St.) 6:49 p.m., Bike was stolen, report taken.
 Aug 31 Bldg. E52 (50 Memorial Dr.) 3:43 p.m., Annoying phone calls.
 Aug 31 Bldg. 11 (77 Rear Massachusetts Ave.) 10:17 a.m., Unauthorized use of computer. Report taken.
 Sep 01 Bldg. NW12 (138 Albany St.)

10:17 p.m., Witnessed U-Haul truck strike a vehicle and flee the scene on Albany St. Cambridge Police notified.
 Sep 01 Bldg. W45 (West Garage, 125 Vassar St.) 8:00 a.m., Vehicle was damaged in the basement of the West Garage. Car 283 responds.
 Sep 01 Bldg. NE25 (5 Cambridge Ctr.) 4:19 p.m., Party states an ongoing problem with harrassing phone calls. Sector 1 responds.
 Sep 01 Bldg. W16 (Kresge Auditorium, 48 Massachusetts Ave.) 3:00 a.m., Report of a cleaning machine maliciously damaged. Report taken.
 Sep 01 Bldg. 16 (21 Ames St.) 12:00 p.m., Reporting party received a voice mail message from an unknown person with vulgar language.
 Sep 03 Bldg. W20 (Student Center, 84 Massachusetts Ave.) 12:00 a.m., Party reports laptop was stolen; report taken.
 Sep 03 Bldg. E55 (60 Wadsworth St.) 2:15 p.m., Party reports bike stolen from front of E55.
 Sep 04 Bldg. 62 (East Campus, West Parallel, 21 Ames St.) 2:25 p.m., Sudden death. Massachusetts State Police investigating.
 Sep 05 Theta Xi (64 Bay State Rd.) 11:36 p.m., Report of larceny of a laptop and iPhone from common area. Boston car responds.
 Sep 06 Bldg. E38 (292 Main St.) 11:49 p.m., Report of possible homeless male in the basement of E38.
 Sep 06 Bldg. 13 (105 Rear Massachusetts Ave.) 6:24 p.m., Report that bike parts were taken off of bike. Report taken.
 Sep 06 Bldg. W79 (Simmons Hall, 229 Vassar St.) 7:05 a.m., Reports of suspicious male in the area of Simmons Hall.
 Sep 06 Alpha Tau Omega (405 Memorial Dr.) 9:02 a.m., Brick thrown through window. West car officer takes report.
 Sep 07 Bldg. E51 (70 Memorial Dr.) 10:39 p.m., Party reports his motor vehicle was keyed.
 Sep 07 Bldg. W89 (Campus Police, 291 Vassar St.) 5:36 p.m., Party reports his bike was stolen from the 13 bike rack area. Report taken.
 Sep 07 Bldg. 8 (21 Ames St.) 1:00 p.m., Report of a suspicious person.
 Sep 07 Bldg. 3 (33 Massachusetts Ave.) 10:44 a.m., Report of a suspicious package.
 Sep 08 Bldg. W11 (Religious Activities Center, 40 Massachusetts Ave.) 7:14 p.m., Malicious damage to posters with anti-religion graffiti. Report taken.
 Sep 08 Bldg. 46 (46 Vassar St.) 5:00 p.m., Report of a suspicious person. Person located and given trespass notice, all units clear.

COMPILATION BY JOSEPH MAURER.

MacGregor steam pipe exploded



MANOHAR SRIKANTH—THE TECH
 MacGregor residents were evacuated yesterday for an hour and a half after a steam pipe exploded nearby on Amherst Alley.



The 2011 Ig Nobel Informal Lectures

Saturday, Oct. 1st
 1:00 pm, 26-100

A half-afternoon of informative, high-spirited, and inevitably humorous public lectures, in which the 2011 Ig Nobel Prize winners will attempt to explain what they did, and why they did it. Special appearances by previous winners too!

Please join us.

For more information on the 2011 Ig Nobel Prize Ceremony, visit: www.improbable.com and for the Ig Informal Lectures: web.mit.edu/bookstore/www

All Ig Nobel Prize activities are organized by the *Annals of Improbable Research*. This free event is organized in cooperation with the MIT Press Bookstore.



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DEADLINE: Wednesday, October 12, Noon

A program of the



Solution to Techdoku

from page 14

4	6	5	2	1	3
3	5	4	1	6	2
6	2	1	4	3	5
5	1	6	3	2	4
1	3	2	5	4	6
2	4	3	6	5	1

Solution to Crossword I

from page 13

A	L	M	S	S	O	Y	A	S	M	A	S	H
L	E	A	P	C	P	A	S	T	A	M	P	A
F	I	J	I	H	A	W	K	A	X	I	A	L
O	R	V	I	L	E	W	R	R	G	H	R	T
C	D	R	O	M	S	W	O	W	O	N	S	
L	I	D	I	M	I	T	V	A	R	E		
I	N	O	N	S	T	A	G	E	R	I	G	T
N	A	M	E	S	E	X	O	S	P	O	N	
G	H	O	S	T	W	R	I	T	E	A	T	O
T	A	I	S	H	A	Q	D	E	T			
U	N	C	N	F	C	R	U	F	F	R	E	
R	E	L	I	G	O	U	S	R	I	T		
I	R	E	N	E	M	C	C	I	O	V	A	L
A	V	A	S	T	F	L	A	N	R	E	B	A
H	E	R	T	Z	Y	A	N	G	D	R	E	W

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Idea Bank serves as a forum for community input



MANOHAR SRIKANTH—TECH FILE PHOTO

MIT150 Idea Bank posters have suggested that MIT should hold open houses more often. In this April file photo, a team from the Research Laboratory of Electronics help open houses guests build a simple DC motor in the Stata Center.



MANOHAR SRIKANTH—TECH FILE PHOTO

FAST LIGHT lit up the Charles River last May in the culmination of a semester of art installations around campus, as seen in this file photo. Idea Bank commenters have asked for the spirit of FAST installations to continue.

DO YOU BLEED CARDINAL AND GREY?

Athletics Weekend is back on campus
Come support MIT Athletics and find your Engineer Pride

TOMORROW!
Saturday, October 1

10a-4p Athletic Equipment Yard Sale in Z Center Lobby

10:15a-1p 3-on-3 soccer tournaments on Barry Field
Sign up your team at <http://www.mitrecsports.com/>

11a-12p Lunch at Johnson Overhang outside Z Center
Free for MIT students with an ID, \$5 for non-students & alums

12p-4p Men's rugby game on field D

1p-3p Men's soccer game vs Williams at Steinbrenner Stadium
Mocha Moves performing during half-time

3p-4p Pickup games in the Johnson Overhang

3:45p DJ announces Athletics Weekend prize and raffle winners

4p-6p Women's soccer game vs Smith at Steinbrenner Stadium
Mocha Moves performing during half-time



STUDENT
ATHLETE
ADVISORY
COMMITTEE



Idea Bank, from Page 1

intended to make viewers consider the relationship between science, technology, and art. Events such as FAST LIGHT — when the Harvard Bridge and Charles River were colorfully lit up — drew crowds from MIT and Boston.

FAST should happen again for the campus and city enrichment value, wrote Martha E. Sieniewicz, special assistant to the president, in the Idea Bank.

"Let's have FAST become a regular, recurring feature of our community life, and let's think about ways to use it to make the world more delightful beyond just a single evening," she said.

Catherine A. Olsson '12 agreed that MIT150 provided a valuable intellectual addition to the campus in the form of the MIT150 Symposia series.

"As an undergraduate, the experience of being able to attend the Brains, Minds, and Machines symposium to listen to leaders in the field speak, right on the MIT campus, at no cost, was immensely valuable," she said on the Idea Bank website.

Olsson added that the more routine symposia the Institute usually holds should be better advertised to undergraduates.

Enthusiasm for the April open house was also high. Attendees of the Institute's one-day open house — the first in 30 years — seemed to appreciate the hands-on activities and talks.

"Let's have an open house every few years," wrote Joseph F. Gifun, assistant director of the Systems Engineering Group, "I worked on the preparation and execution of the event and observed first hand the collaboration between departments for the single purpose of making the open house a success — incredible."

The opportunity for a great impact on the community is also present,

said Jonathan A. Battat G, "Our physical campus — labs, people, etc. — is one of the most ideal tools possible to engage the public and especially young people."

The first Idea Bank was initiated in 2009 following the global economic crisis of late 2008. At the time, MIT was seeking community input on cost-saving strategies without compromising the Institute's core values. The ideas from that Bank were all presented to one of the Institute's newly-formed task forces in charge of reviewing revenue, Kolenbrander said.

Since then, Idea Bank opened once again in April 2010 for discussion of a new house dining meal plan.

Since the majority of comments are linked to MIT user accounts, the Idea Bank coordinators can reach out to the writer directly should they choose to pursue an idea, Kolenbrander said.

However, it is unclear how many ideas conceived in prior Idea Banks have come to fruition.

As for future Idea Banks, the focus is on appropriate applications of the ideas, Kolenbrander said. The only criterion is that the Bank concern something of broad interest to the community.

The 2016 anniversary of MIT's centenary move to Cambridge is the Institute's next big milestone, but Kolenbrander believes that more can be gained from the Idea Bank than celebration plans.

"Going forward, we hope to take with us whatever lessons we learned as community. That can be in terms of big events, but also how we share our story and communicate our history," he said. "[MIT150] was such a rich experience, there's value in taking time to reflect."

Kolenbrander hopes to keep the MIT150 Bank running for at least a month or two to create more discussion. The Idea Bank can be accessed at <http://ideabank.mit.edu>.

MIT Foreign Languages & Literatures

January Scholars in France, Jan. 9-23, 2012

21F.314: Topics in Interculturalism (IAP Study Abroad)
Understanding Contemporary France through its
Political Landscape



Starting with the upcoming French presidential elections, students will examine the French political landscape, including its institutions and particularities. Through readings, lectures and on-site visits, they will also explore the historical roots of issues on the contemporary French political scene.

Application Information

MIT's Foreign Languages and Literatures
invites undergraduates to apply
for the January Scholars in France program.

21F.314 is a 6-unit subject, conducted entirely in French, and will allow up to 14 students to experience two weeks of cultural immersion in Paris during IAP 2012, January 9-23.

Application deadline is October 18, 2011.

For more information and application forms,
go to web.mit.edu/jsf or to FL&L's main office (14N-305).

Solution to Sudoku

from page 14

6	4	1	9	8	3	2	7	5
2	9	3	7	4	5	6	8	1
5	7	8	2	6	1	9	4	3
7	2	4	1	3	8	5	9	6
1	8	9	6	5	7	3	2	4
3	6	5	4	9	2	8	1	7
8	1	7	3	2	6	4	5	9
4	3	2	5	1	9	7	6	8
9	5	6	8	7	4	1	3	2

Solution to Bonus

from page 15

T	E	R	R	A	M	A	S	F	L	E	E
O	R	I	E	L	R	A	R	E	J	I	L
P	R	O	V	I	D	E	N	C	O	L	A
E	S	T	B	E	T	E	P	O	R	T	A
A	S	S	I	G	V	E	T	H	A	N	D
S	A	C	S	L	I	S	T	E	M	S	A
P	L	O	T	S	T	H	E	S	T	A	I
I	S	U	C	L	A	D	E	R	I	R	L
C	A	R	P	O	O	L	A	E	G	N	T
N	A	U	S	E	A	M	O	T	A	E	N
O	U	S	T	T	A	K	E	T	H	A	W
D	R	E	I	E	V	E	R	E	E	L	E
E	A	R	L	D	A	R	T	D	A	R	D



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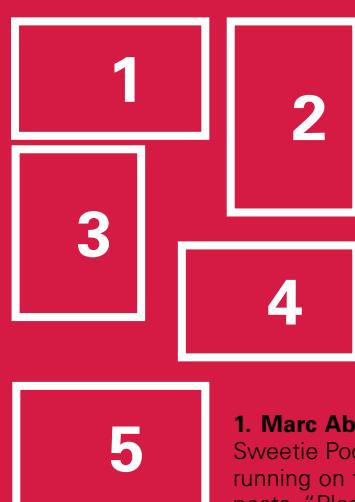


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IG NOBELS 2011



1. Marc Abrahams, the director and producer of the Ig Nobels, introduces Miss Sweetie Poo Liraz Brand. Miss Sweetie Poo is responsible for keeping the ceremonies running on time. If a guest's speech goes over time, she walks to the podium and repeats, "Please stop, I'm bored," until the guest stops talking.

2. Dan Meyer, the 2007 Ig Nobel Prize winner in Medicine, returns to Thursday's ceremonies to perform a sword swallowing encore.

3. Daniel Rosenberg performs a chemistry experiment during an Ig Nobel Moment of Science. The theme for this year's Ig Nobel Ceremony was chemistry.

4. Daniel Rosenberg executes another experiment involving oscillating metronomes on top of soda cans.

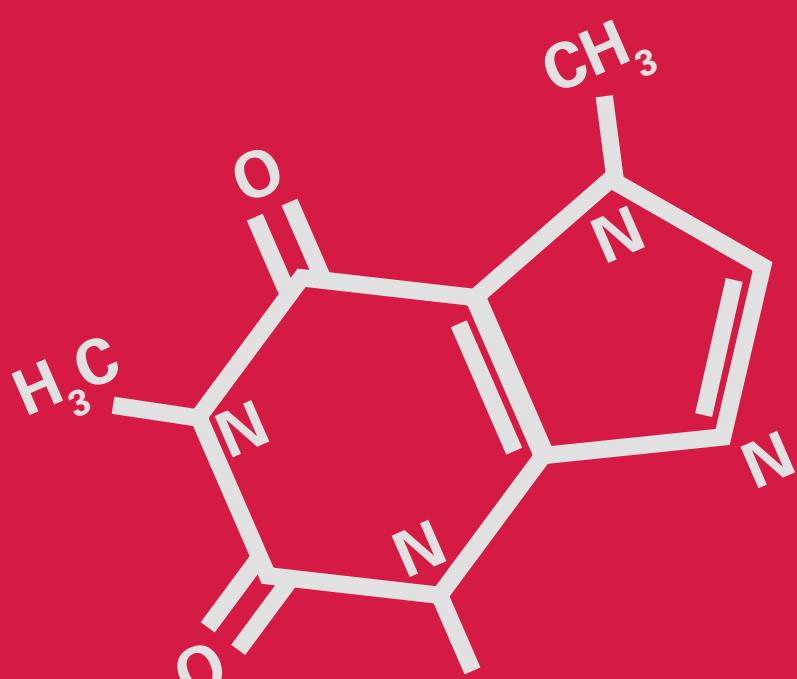
5. A human target stands on stage as people throw paper airplanes across Sanders Theatre, a long time tradition of the Ig Nobels.

PHOTOS BY BIYEUN M. BUCZYK—THE TECH



From wasabi alarms

to the link between urination and the brain to armored tanks, this year's Ig Nobel Prizes gathered some of the funniest yet thought-provoking science on the planet to Harvard's Sanders Theater last night. Between the award presentations, the audience was serenaded with chemistry opera and welcomed to throw paper airplanes at the stage. *The Tech* captured some of the evening's finest — and funniest — moments.



Ig Nobels win laughs

Opera steals show

Ig Nobels, from Page 1

at suppressing impulses, including "increasing ability to resist more immediate temptations in monetary decision making." The other group discovered that an intense need to urinate and staying up for 24 hours continuously have the same negative effect on driving ability. One of the scientists summed it up in his acceptance speech, saying, "When you gotta go, you gotta go."

The literature prize was awarded to John R. Perry of Stanford University for his Theory of Structured Procrastination. The theory states, "to be a high achiever, always work on something important, using it as a way to avoid doing something that's even more important."

Students may be interested in reading his study, "How to Procrastinate and Still Get Things Done." Part of his paper is about procrastinating by doing tasks that are still somewhat important. "Doing these tasks becomes a way of not doing the things higher up on the list ... the procrastinator becomes a useful citizen," the study reads. Since the professor himself was in Germany last night, Perry's assistant accepted the prize for him.

Arturas Zuokas, the mayor of Vilnius, Lithuania, won the Ig Nobel Peace Prize for his discovery that "the problem of illegally parked luxury cars can be solved by running them over with an armored tank."

As many scientists aspire to do, Zuokas successfully put his research into practice in his town this August. To laughter and cheering from the audience, Zuokas said that his work reaches worldwide because "an idiot is the same no matter where he is and what language he speaks," and that this discovery helps lessen idiocy.

The lineup of quirky discoveries continued when it came time for the psychology prize. Karl H. Teigen of the University of Oslo and his students studied the possible reasons people



BIYEUN M. BUCZYK—THE TECH

Maria Ferrante serenades Nobel Laureates Dudley Herschbach (Chemistry 1986) (left) and Peter A. Diamond PhD '63 (Economics 2010) (right) with the joys of caffeine and its importance in coffee during *Chemist in a Coffee Shop*, this year's Ig Nobel mini-opera.

sigh. Observing test subjects attempting to solve impossible puzzles, the Norwegian team discovered, perhaps unsurprisingly, that a sigh is a sign of giving up. Teigen says this research was intended as an exercise for his students, and, since their work dealt in a previously uninvestigated field, they had to "invent [their] own sigh-cology" as a part of the process.

The comedic atmosphere of the Ig Nobels was enhanced between the presentation of awards. The audience was entertained by "Chemist in a Coffee Shop," a mini-opera about chemical composition and the effects of coffee. Attendees also "recycled" paper airplanes made from their programs by throwing them at a human target on the stage. In another audience participation effort, one audience member won a date with 1988 Nobel Prize in Medicine winner Louis J. Ignarro, famous for demonstrating the signaling properties of nitric

oxide.

The crowd at the Ig Nobels included several delegations dressed in costumes. Two groups from MIT made an appearance — Maseeh Hall sent a group wearing atomic mass numbers on their shirts and sporting foil helmets, while five members of "Epsilon Sigma Pi" — the Educational Studies Program — dressed up in hats shaped like sea creatures. One of the ESP members, Ben W. Horkley '14, said that they came to "celebrate science" and that their costumes were influenced by "a deep love of crustaceans."

Non-MIT delegations in attendance included the Studmuffins of Science, Museum of Bad Art, and Lawyers For and Against Chemistry.

The ceremony this year included seriousness amidst the celebration when the hosts paid tribute to William N. Lipscomb with a video comprised of his moments from past awards

ceremonies. Lipscomb, a Harvard chemistry professor and 1976 Nobel Laureate in Chemistry, participated in the Ig Nobels for many years before he passed away this spring. The video showed scenes of him acting in skits, performing with his clarinet, and tying his signature bow tie. The tribute to Lipscomb was both tactful and touching while still revealing his jovial personality, and the tribute fit seamlessly into the rest of the show.

The Ig Nobels this year provided a source of laughter, but also food for thought. Marc Abrahams, editor of the *Annals of Improbable Research* and master of ceremonies, summed it up when he said the awards show "makes people laugh, and then think."

Those interested in learning more about the research behind the laughs may attend the free informal lectures by the Ig Nobel prize winners, which will be held tomorrow at 1 p.m. in 26-100.

<http://ist.mit.edu/support/servicedesk/hiring/>



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Northeastern alum arrested for terrorist plot

Planned to fly remote control aircraft full of C4 into Pentagon and US Capitol

By Milton J. Valencia
THE BOSTON GLOBE

ASHLAND — An Ashland man who holds a physics degree from Northeastern University was charged Wednesday with an Al Qaeda-inspired plot to send a remote-controlled aircraft carrying explosives into the Pentagon and the US Capitol "to kill as many people as possible," according to a complaint filed in federal court.

Rezwan Ferdaus, 26, a U.S. citizen whose only known previous crime was vandalism, told FBI agents working undercover as Al Qaeda members that he wanted to "change the world," according to the complaint.

"I just can't stop; there is no other choice for me," he told the agents, according to an affidavit written by FBI Special Agent Gary S. Cacace.

"This is what we have to do. This is the righteous way ... to terrorize enemies of Allah," he said, calling for the deaths of any kafir — the Arabic term for nonbeliever.

Federal officials said that at no point did Ferdaus have sole control of explosive materials, such as C4, or guns, and that he was closely monitored by the FBI during his alleged plotting in the past year. But they also say that he was repeatedly questioned about his plans and that he was committed to carrying out the attacks.

"Our top priority is to protect our nation from terrorism and national security threats," U.S. Attorney Carmen M. Ortiz said in a statement.

The conduct alleged today shows that Mr. Ferdaus had long planned to commit violent acts against our country, including at-

tacks on the Pentagon and our nation's Capitol."

She and Richard DesLauriers, special agent in charge of the FBI's Boston division, said the arrest should not reflect on the larger Muslim community.

Prosecutors say that Ferdaus modified mobile phones to act as electrical switches for improvised explosive devices and that he gave eight of them to the FBI undercover agents, who he thought were Al Qaeda recruiters. According to the affidavit, when told that one of the devices had killed three US soldiers and injured at least four others in Iraq, he exclaimed, "That was exactly what I wanted."

Also, prosecutors said that Ferdaus had already hatched a plan to attack federal buildings before he met the undercover agents this year. He traveled to Washington, D.C. and took pictures of the Pentagon and the Capitol.

He subsequently received at least \$7,000 from the agents to purchase one of the remote-controlled planes, which was the size of a human body. The agents also delivered 25 pounds of C4 explosives, three grenades, and six AK-47 assault rifles to Ferdaus. He planned to recruit other men to shoot at people fleeing the Pentagon, prosecutors said.

Ferdaus obtained the first plane in August. He then had the undercover agents deliver the explosive materials and guns Wednesday to a storage facility in Framingham that he had rented to plan his attacks. Once he took possession of the materials, he was arrested.

After making an initial appearance in U.S. District Court in Worcester, Ferdaus was ordered

held without bail until a dangerousness hearing can be held at 3 p.m. on Monday, Oct. 3.

Ferdaus lived with his parents and has a younger brother. The family was well known in the neighborhood, "nice people in our community," said Ashland Police Chief Scott Rohmer.

Ferdaus plays the drums and played in local bands, including Goosepimp Orchestra, a psychedelic Latin/funk band, and Silk Road, which promoted its songs as sounding like "a six-pack of Pabst and a mechanical bull," according

'This is what we have to do. This is the righteous way ... to terrorize enemies of Allah.'

—Rezwan Ferdaus

to websites.

Some neighbors said he tended to seclude himself from neighborhood parties. "He had no interest in socializing," said Brenda Macmillan, who lives across the street.

In 2003, Ferdaus was charged along with two Ashland High School classmates for overnight vandalism in which concrete was poured in front of 10 school doors.

The students, however, denied in letters to classmates that they burned an American flag that had been found flying upside-down in front of the school that morning. Ferdaus was placed on probation and ordered to pay \$406 in restitution, according to local reports.

Ferdaus went on to graduate from Northeastern University in

2008 with a Bachelor of Science degree in Physics, the university confirmed.

According to the affidavit, Ferdaus told the undercover FBI agents that he started thinking about violent jihad against the United States after seeing videos and reading materials promoted by Al Qaeda. It was then that he realized "how evil America is and that jihad is the solution," according to the affidavit.

"As a result, he decided to, in his own words, 'terrorize' the United States by attacking Washington, D.C.," the affidavit said.

Ferdaus first started talking of his plans earlier this year to a witness who was working with the FBI. The witness has his own criminal record and was working as an informant.

But the witness later introduced Ferdaus to two undercover FBI agents, and Ferdaus went on to tell them of his plans, according to court records.

He allegedly provided them with computer thumb drives detailing the types of planes he would use — more than 5 feet long, with a wing span of more than 4 feet and able to carry about 10 to 12 pounds each. He preferred the F-4 Phantom and the F-86 Sabre, small-scale versions of U.S. military fighter jets, and would launch them from Eastern Potomac Park. He referred to them as "detonators," and would fly them using a global positioning satellite.

"This is realistic. ... I can make these things happen," he reportedly said. "What I envision is that it's going to ... essentially decapitate the entire empire."

DesLauriers said: "a committed

individual, even one with no direct connections to, or formal training from, an international terrorist organization, can pose a danger to the community."

Ferdaus became the third U.S. citizen with Massachusetts ties to be charged in a terrorism-related plot since 2007, when Daniel Maldonado, who had connections to Methuen and Lowell, was charged with supporting terrorists in Somalia. He was convicted and sentenced to 10 years in prison.

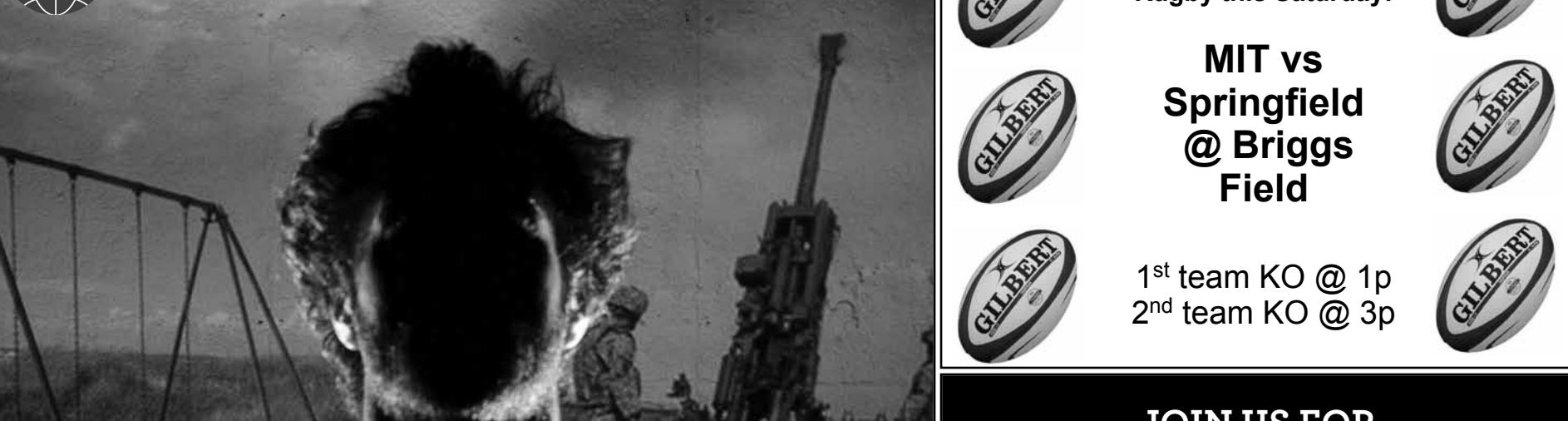
In 2008, Sudbury resident Tarek Mehanna was arrested on charges of lying to FBI agents in a terrorism investigation. He was later charged with conspiring to provide material support to terrorists and is slated to go to trial Oct. 24.

U.S. Representative William R. Keating of Massachusetts, the state's only member of the House Homeland Security Committee, said Wednesday that the arrest of Ferdaus is a textbook example of the dangers the United States faces from homegrown extremists, and that national security officials have been warning of their growth. They may follow Al Qaeda propaganda through videos and texts, and are then incited to carry out attacks without the scrutiny that a foreigner may receive.

"There's a new kind of threat, a new strain of threat, and we have to be aware of it," Keating said, adding that it was the first lesson he learned when he took office earlier this year. "If people need to get a clearer message of what we're hearing [of the growing threat], these events should make people even more aware of that. It can be someone inside the US presenting the danger. Those things are real."



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MIT vs Springfield @ Briggs Field

1st team KO @ 1p
2nd team KO @ 3p

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Speaker:
Paul Parravano,
Office of Government and Community Relations



Coffee and donuts to follow
Questions? cenglish@mit.edu

ARTS AROUND TOWN

One City One Story, more than one Scarlet Letter?

Boston Book Festival features Richard Russo's short story "The Whore's Child"

By Angelique Nehmzow

This morning I rollerbladed to Harvard to get some breakfast from Darwin's. Paying the cashier, I noticed a little pamphlet entitled *One City One Story*: "The Whore's Child." My curiosity piqued, I picked it up and began reading it as I waited for my sandwich. I found myself drawn in instantly, and I had thoroughly devoured it by the time I had similarly finished off my sandwich.

The tale is narrated by the teacher of a fiction writing class, who finds himself with an idiosyncratic Belgian nun as one of his students. Sister Ursula is neither enrolled in the class, nor does she write fiction, but she is undeterred by his proclamation that, "We're all liars here. The whole purpose of our enterprise is to become skilled in making things up, of substituting our own truth for the truth. In this class we actually prefer a well-told lie." She remains in the class and

tells the sad story of her life through each of her writing assignments.

As the title suggests, Ursula is the child of a prostitute. She's left at a convent school and suffers an unhappy childhood, bullied by nuns and fellow children. She dreams of being rescued by her father and of escaping, but after her mother dies she finally becomes a nun.

'We're all liars here. The whole purpose of our enterprise is to become skilled in making things up.'

The short story is written by Pulitzer Prize winner Richard Russo and is stylistically interesting, since as each "chapter" of Sister Ursula's story unfolds, the teacher

and his class comment on and analyze it. This sometimes means the questions raised suggest new lines of thinking to the reader and guide his interpretation. It creates a meta-story and gives an outside perspective to the nun's story; this plays a significant role in the ending, which has a satisfying and not-too-predictable twist.

The pamphlet itself is the second annual installment of *One City One Story*, a Boston Book Festival project that aims to provide a shared reading experience to the inhabitants of Boston and raise awareness of the pleasures of reading (their website provides audio files, downloads, and translations of the short story). Thirty thousand copies of the pamphlet have been published and distributed. The Boston Book Festival also includes a writing contest and an event on Oct. 15 where you can meet the author and discuss the story with others.

I was pleasantly surprised to hear of this

"The Whore's Child"

from *The Whore's Child and Other Stories*

By Richard Russo

Vintage

July 2003

project, and I hope to see more of these pamphlets around town. "The Whore's Child" is a highly enjoyable read — so it seems only fitting for me to recommend it and embrace the project's motto of "Read. Think. Share."

For more information about One City One Story and the Boston Book Festival, visit <http://www.bostonbookfest.org/>.

MAKING AND DESIGNING MATERIALS

ENGINEERING CONTEST

The Fifth Annual

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COMPETITION

FINALISTS PRESENTATIONS AND AWARDS CEREMONY

OCTOBER 6 2011, 7PM, MIT ROOM 6-120

<http://dmse.mit.edu/madmec>

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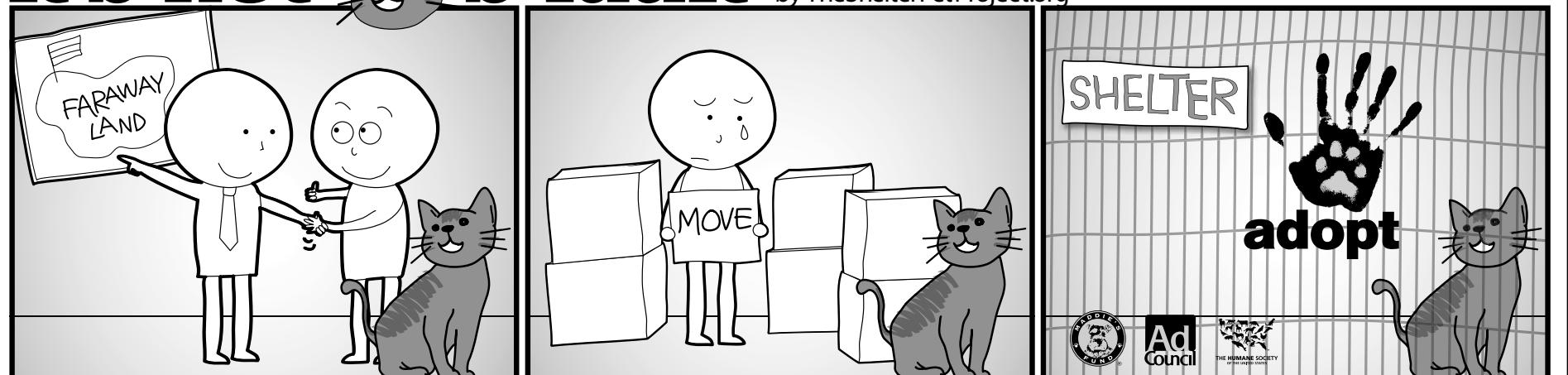
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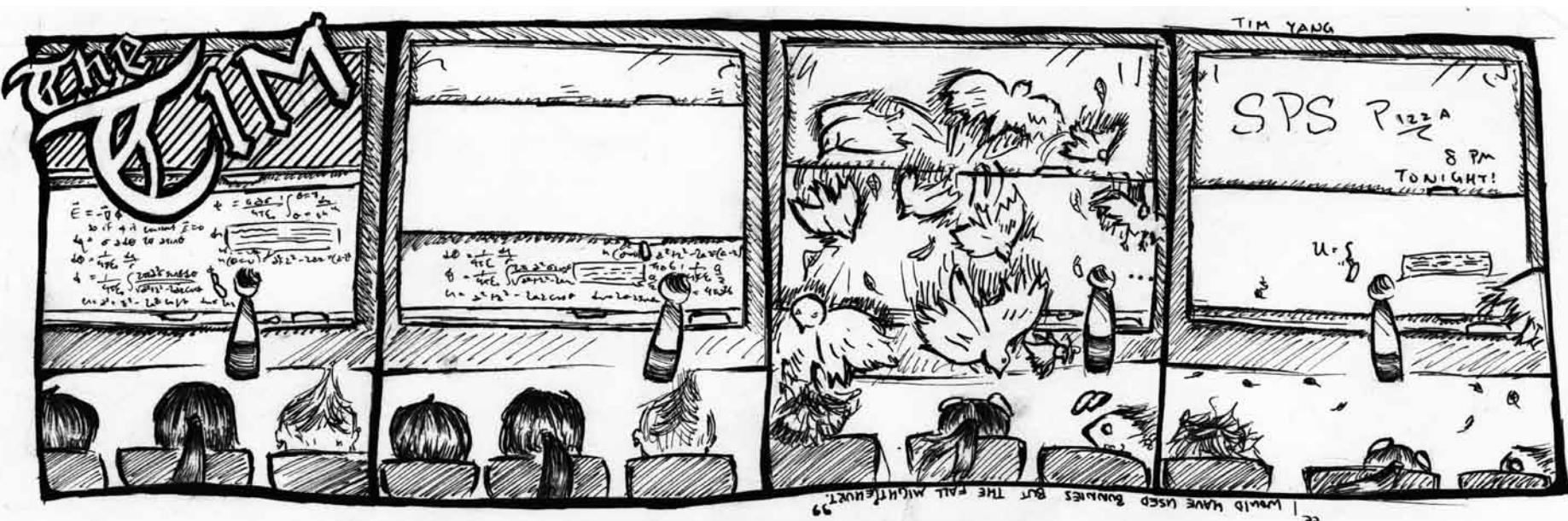
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it's not 's fault

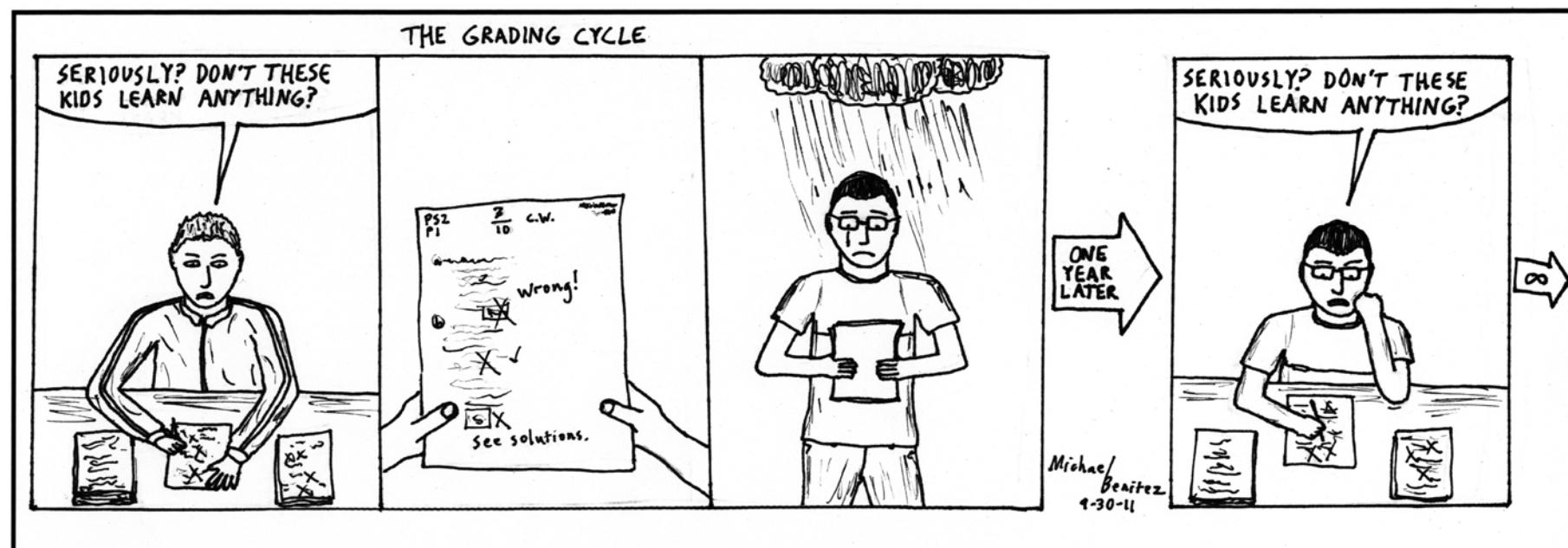
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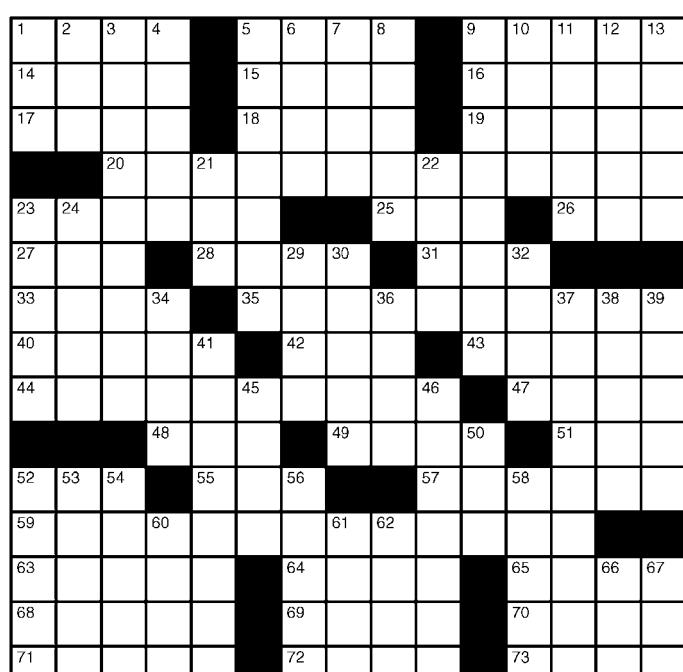
Crossword Puzzle

Solution, page 6

ACROSS

ACROSS	1 Gifts to the needy	45 O Neal of basketball
	5 Forage crop	51 N.Y.P.D. rank
	9 Major hit	52 Chapel Hill sch.
	14 Quantum event?	55 Sports division, est. 1969
	15 No. brains?	57 Frilled strip
	16 Home of the Rays	59 Bar mitzvah, e.g.
	17 Vijay Singh's homeland	63 Castle that danced
	18 Warmonger	64 1201
	19 Along a rotation line	65 Out of round
	20 Aviation pioneer	68 Stop order, asea
	23 PC inserts	69 Custard dessert
	25 Impressive!	70 McEntire sitcom
	26 Switch positions	71 Frequency unit
	27 Pot cover	72 Yin's partner
	28 Not orig.	73 Sketched
	31 Alt. spelling	
	33 Aware of	
	35 Dramatic exit direction	
	40 Appellations	
	42 Outer: pref.	
	43 Pitch woo	
	44 Do uncredited work	
	47 Choir voice	
	48 Mai __ cocktail	
DOWN	1 TV alien	
	2 Floral loop	
	3 Head steward	
	4 Richard's Agnew	
	5 Rifts	
	6 Fiery gem	
	7 Ketch's sister	
	8 Out of kilter	

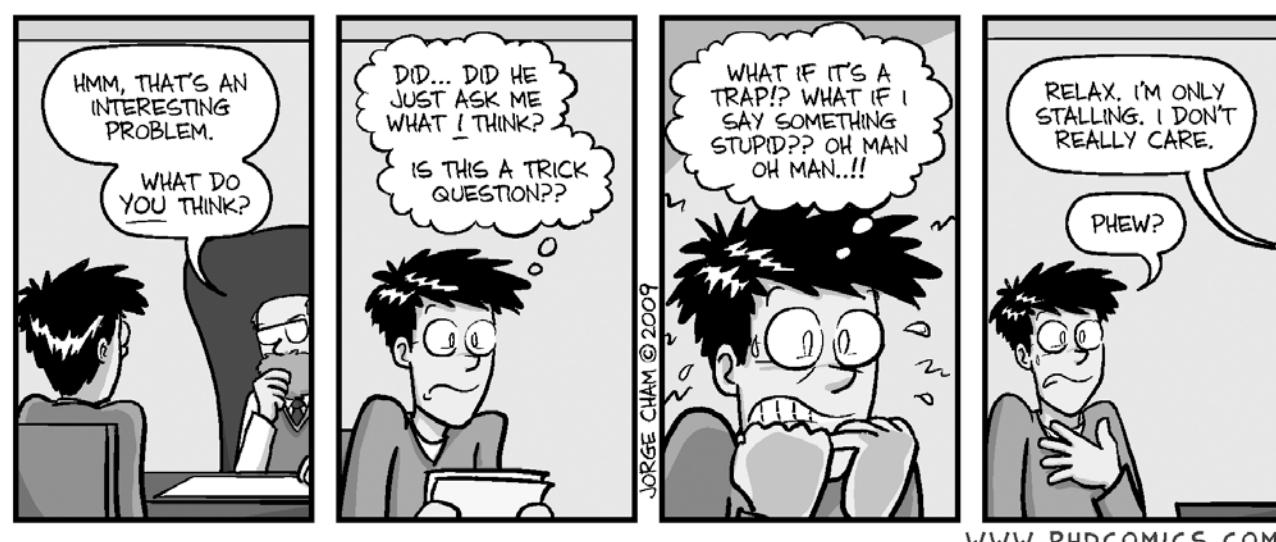
9 George Lucas blockbuster
10 Full-length skirt
11 Pamplona pal
12 Hall-of-fame pitcher
Warren
13 Terminates
21 Sch. in Lexington
22 Interlaced
23 Stick
24 Singer Shore
29 Roman way
30 Station lineup
32 Philbin's co-host
34 Cardinal's home
36 Early invader of Rome
37 Cause of a rush
38 Monopoly buy
39 Govt. security
41 "The Girl from Ipanema"
guy
45 Hotspot service
46 Loop or stud
50 On the __ vive
52 Fictional Heep
53 Boldness



54 Unobstructed	61 Coll. Bruins
56 Cozy	62 Use an MRI
58 Old Calif. training base	66 Justice Fortas
60 MIT word	67 Perry Mason's field



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Technically It's Gung Fou

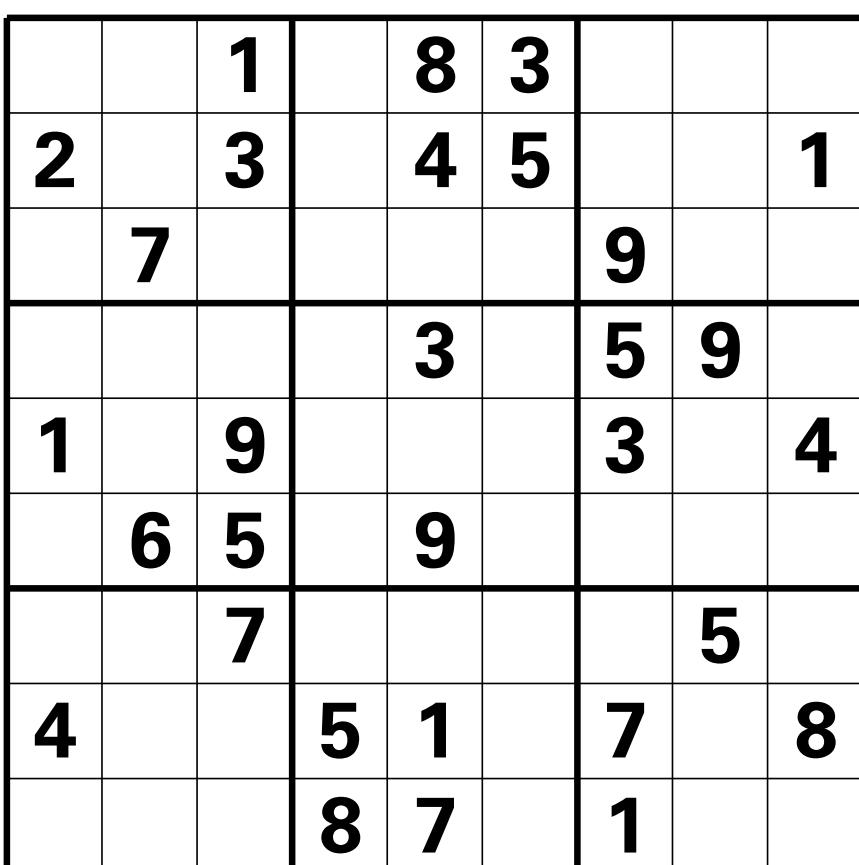


by Jerry Holkins
and Mike Krahulik



Sudoku

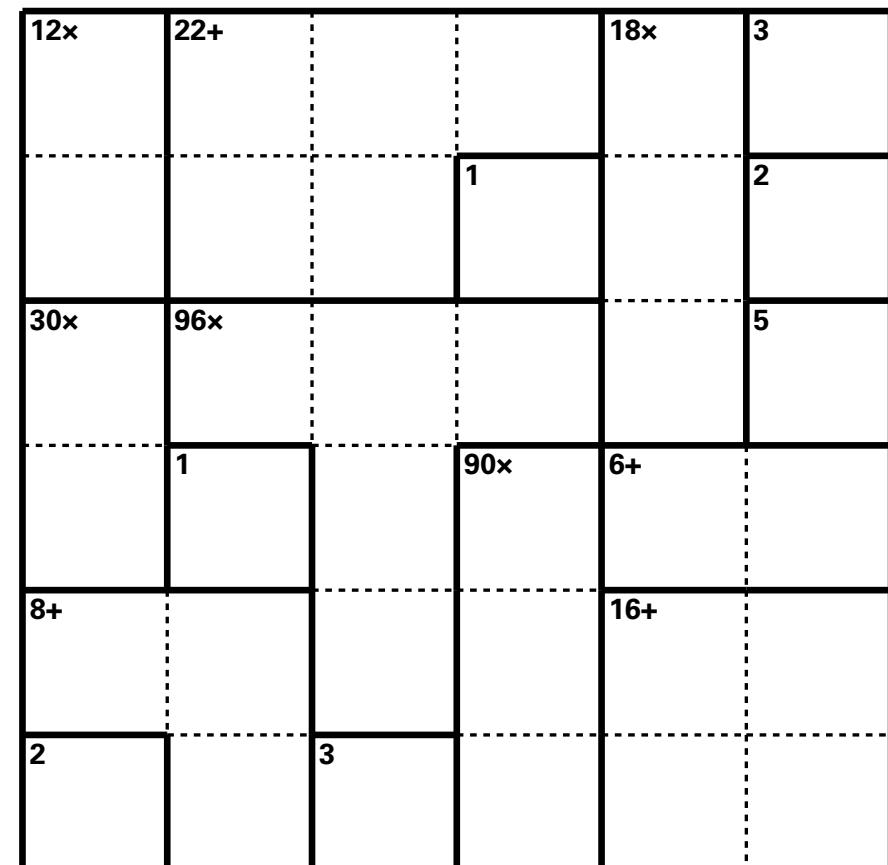
Solution, page 7



Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Techdoku

Focus



Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.

Field Hockey victorious

MIT steps up in the second half to take the win

Greg McKeever
DAPER STAFF

Molly K. Duffy '14's put-back early in the second half proved to be the game-winner as MIT defeated visiting Endicott College, 2-1, in non-conference field hockey action on Tuesday night. The win is the third straight for the Engineers, who improve to 9-2 on the 2011 campaign. Endicott falls to 1-7 with the loss.

The Gulls mounted a sustained attack on the Tech defense early on, outshooting MIT 4-1 in the game's first 8 minutes, before taking the lead just under 10 minutes into the contest.

The Cardinal and Gray was able to stem the tide and turn the pressure around following the first Endicott goal, testing the Endicott defense with seven shots on goal over the next 8 minutes. The success was short-lived, however, as MIT was awarded a penalty stroke in

the 18th minute, which Kathleen M. Kauffman '12 converted to even things up at one midway through the frame.

The MIT attack persisted early in the second as the Engineers peppered the Endicott goal with five quick shots before Duffy recorded her game-winning tally. After entering the ball on a penalty corner, Duffy positioned herself on the far post and was in perfect position to collect the rebound off a shot by Kameron L. Klauber '12 and push it home to put Tech ahead for good.

MIT had a number of chances to pick up an insurance marker down the stretch, earning 13 penalty corners in the second half and getting off 20 shots. Erin B. Kenney '14 nearly registered her first career goal late in the game but her shot hit off the post.

Casey E. Landry '14 and Jenna R. Klein '15 split time in net for the Cardinal and Gray. MIT will return to NEWMAC play on Saturday, traveling to Smith College for a 1 p.m. contest.



Elizabeth A. Dethy '15 charges through Endicott College's offense during the field hockey game on Tuesday. The Engineers won 2-1.

BYEUN M. BUCZYK—THE TECH

UPCOMING HOME EVENTS

Saturday, Oct. 1

Sailing — Smith Trophy

Men's Soccer vs. Williams College

Women's Soccer vs. Smith College

9:30 a.m., Charles River

1 p.m., Steinbrenner Stadium

4 p.m., Steinbrenner Stadium

Sunday, Oct. 2

Sailing — Smith Trophy

9:30 a.m., Charles River

SPORTS SHORTS

Volleyball falls to Springfield

Facing its first nationally ranked opponent this season, the MIT Women's Volleyball team fell to No. 21

Springfield College, 25-18, 28-26, 25-23, in a hard-fought NEWMAC contest on Tuesday night. The loss lowered the Engineers' record to 13-4 on the year and 2-2

in league play.

The Engineers established a 9-4 lead in the opening set, but Springfield responded with a 12-1 run to go ahead for good. MIT stayed within striking distance, narrowing the gap to 4 on three occasions, the last at 20-16. However, the Pride scored 4 of the next 6 points to take the game.

In the second set, MIT built a 9-3

advantage and held a comfortable margin for most of the set, including at 24-21 for set point. Back-to-back kills, however, kept Springfield alive, and the team won the set 28-26.

The final set was tightly fought, featuring 12 ties and four lead changes. The Engineers held a 13-11 edge, but Springfield registered 6 unanswered points to regain control. MIT battled back, tying the score three times, the last at 19. The hosts countered with a 5-3 burst that gave them match point. Tech stayed alive, but the Pride converted on its next attempt to capture the win.

MIT will return to action on Friday for the Johnson & Wales University Wildcat Fall Classic.

—Mindy Brauer, DAPER Staff

Tennis stays unbeaten in conference

The MIT Women's Tennis team hosted Babson College on Tuesday.

The Engineers swept the match 9-0, handing Babson their first loss of the season and remaining undefeated in conference play.

Lauren C. Quisenberry '14, Michelle M. Dutt '15, Sta-

sey Vishnevetsky '12, Julia C. Hsu '14, Vynnie J. Kong '15, Juana C. Becerra '15 all won singles matches; the six players also paired up for the doubles matches, which they won 8-4, 8-5, 8-6.

The Engineers next play in the ITA Northeast Regional, hosted by Bates College this weekend.

—David Zhu, Sports Editor



Julia C. Hsu '14 volleys the ball back to Tufts in the No. 2 doubles on Tuesday. The Engineers lost the match 7-2.

CHALLENGED or BANNED in 2010-2011

This bibliography represents books challenged, restricted, removed, or banned in 2010 and 2011 as reported in the Newsletter on Intellectual Freedom from May 2010 to May 2011.

Alexie, Sherman: <i>The Absolutely True Diary of a Part Time Indian</i> .	Foer, Jonathan Safran: <i>Extremely Loud and Incredibly Close</i> .	Monette, Paul: <i>Writers' Voice: Selected from Borrowed Time: An AIDS Memoir</i> .
Anderson, Lauri Halse: <i>Speak</i> .	Frank, Anne: <i>Anne Frank: The Diary of a Young Girl</i> .	Moore, Patrick: <i>Tweaked: A Crystal Meth Memoir</i> .
Baker, Larry: <i>The Flamingo Rising</i> .	Gruen, Sara: <i>Water for Elephants</i> .	Morrison, Toni: <i>Song of Solomon</i> .
Baskin, Julia, Lindsey Newman, Sophie Pollitt-Cohen, and Courtney Toombs.	Guterson, David: <i>Snow Falling on Cedars</i> .	Myracle, Lauren: <i>ttyl</i> .
<i>The Notebook Girls: Four Friends, One Diary, Real Life</i> .	Haddon, Mark: <i>The Curious Incident of the Dog in the Night-time</i> .	Ockler, Sarah: <i>Twenty Boy Summer</i> .
Brashares, Ann: <i>Forever in Blue, the Fourth Summer of the Sisterhood</i> .	Hahn, Mary Downing: <i>The Dead Man in Indian Creek</i> .	Plum-Ucci, Carol: <i>The Body of Christopher Creed</i> .
Burroughs, Augusten: <i>Running with Scissors</i> .	Halpern, Julie: <i>Get Well Soon</i> .	Salinger, J. D.: <i>The Catcher in the Rye</i> .
Butler, Dori Hillestad: <i>My Mom's Having a Baby</i> .	Horowitz, Anthony: <i>Snakehead</i> .	Sapphire (Ramona Lofton): <i>Push</i> .
Cast, P. C., and Kristin Cast: <i>Betrayed</i> .	Huxley, Aldous: <i>Brave New World</i> .	Semencic, Carl: <i>Pit Bulls and Tenacious Guard Dogs</i> .
Chbosky, Stephen: <i>The Perks of Being a Wallflower</i> .	Kehret, Peg: <i>Stolen Children</i> .	Thomasson Grant & Howell Shaffer, Paul: <i>We'll Be Here for the Rest of Our Lives</i> .
Chopin, Kate: <i>The Awakening</i> .	Lelveld, Joseph: <i>Great Soul: Mahatma Gandhi and His Struggle With India</i> .	Sixx, Nikki: <i>The Heroin Diaries: A Year in the Life of a Shattered Rock Star</i> .
Collins, Suzanne: <i>The Hunger Games</i> .	Mackler, Carolyn: <i>Vegan Virgin Valentine</i> .	Smith, Jeff: <i>Bone</i> .
Crutcher, Chris: <i>Staying Fat for Sarah Byrnes</i> .	Madaras, Lynda, and Dane Saavedra: <i>What's Happening to My Body? Book for Boys: A Growing-up Guide for Parents & Sons</i> .	Sones, Sonya: <i>One of Those Hideous Books Where the Mother Dies</i> .
Ehrenreich, Barbara: <i>Nickel and Dimed: On (Not) Getting by in America</i> .	Mathabane, Mark: <i>Kaffir Boy: The True Story of a Black Youth's Coming of Age in Apartheid South Africa</i> .	Sonne, Amy, ed: <i>Revolutionary Voices: A Multicultural Queer Youth Anthology</i> .
	McKissack, Fredrick, Jr: <i>Shooting Star</i> .	Walker, Margaret: <i>Jubilee</i> .
		Writers Corps: <i>Paint Me Like I Am: Teen Poems</i> .

BANNED BOOKS WEEK



Sept. 24 – Oct. 1

This space donated by The Tech